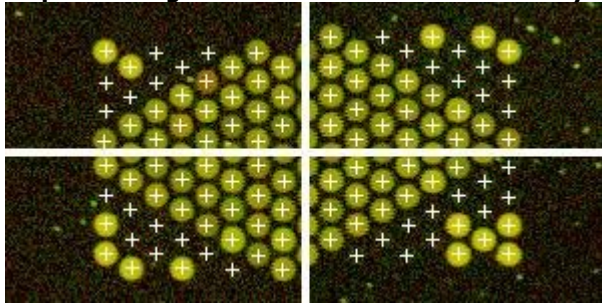


QC Report - Agilent Technologies : 2 Color CGH

Date	Friday, April 13, 2007 - 16:28	BG Method	No Background
Image	US23502331_251469319294_S01	Background Detrend	On(NegC)
Protocol	CGH-v4_95_Feb07 (Read Only)	Multiplicative Detrend	True
User Name	Belfer	Dye Norm	Linear
Grid	014693_D_20060615	Linear DyeNorm Factor	1.89(Red) 1.96(Green)
FE Version	9.5.1.1	Additive Error	23(Red)24(Green)
		Derivative of Log Ratio Spread	0.22

Spot Finding of the Four Corners of the Array



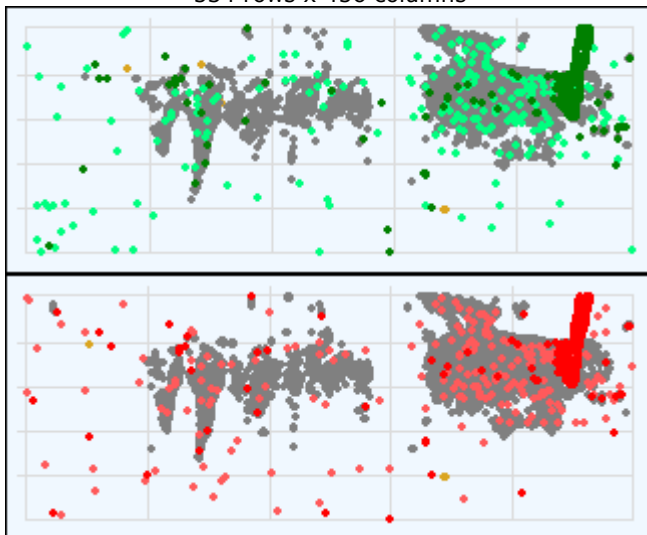
Grid Normal

Feature	Local Background	
	Red	Green

Non Uniform	375	416	73	109
Population	209	212	13429	10806

Spatial Distribution of All Outliers on the Array

534 rows x 456 columns



FeatureNonUnif (Red or Green) = 472(0.19%)

GeneNonUnif (Red or Green) = 454 (0.192 %)

- BG NonUniform ● BG Population
- Red FeaturePopulation ● Red Feature NonUniform
- Green FeaturePopulation ● Green Feature NonUniform

Net Signal Statistics

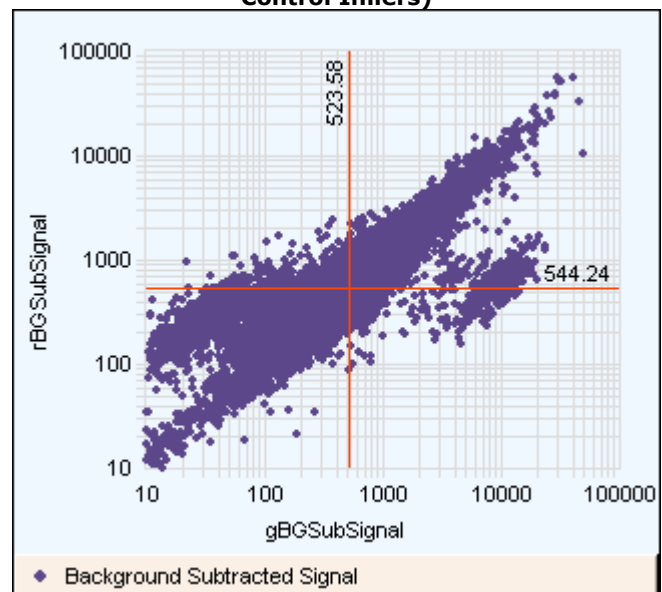
Non-Control probes:

	Red	Green
# Saturated Features	1	1
99% of Sig. Distrib.	1901	1911
50% of Sig. Distrib.	575	546
1% of Sig. Distrib.	147	102

Negative Control Stats

	Red	Green
Average Net Signals	34.42	26.44
StdDev Net Signals	19.57	19.68
Average BG Sub Signal	3.18	3.71
StdDev BG Sub Signal (BG Noise)	12.26	12.37

Red and Green Background Corrected Signals (Non-Control Inliers)



Features (NonCtrl) with BGSubSignals < 0: 717 (Red); 786 (Green)

Local Bkg (inliers)

Red

Green

Number	229995	232613
Avg	50.04	43.58
SD	5.36	5.68

Foreground Surface Fit

Red

Green

RMS_Fit	9.28	8.79
RMS_Resid	8.93	8.28
Avg_Fit	59.37	50.52

Reproducibility: %CV for Replicated Probes

Median %CV Signal (inliers)

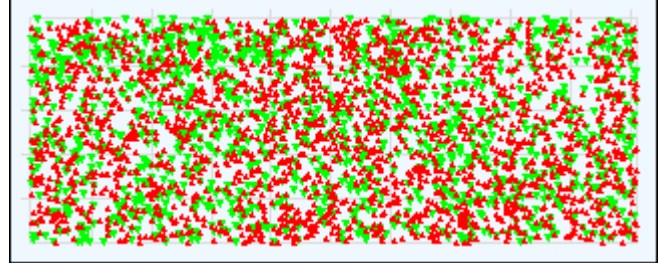
Non-Control probes

Red

Green

BGSubSignal	12.27	11.97
ProcessedSignal	6.76	7.19

Spatial Distribution of the Positive and Negative LogRatios



#Positive:11919 (Red) ; #Negative:7595 (Green)

▲ Positive ■ Negative

LogRatio Versus Log Processed Signal

